



EN-202 Overall vibration meter and electronic stethoscope for plant maintenance and for performing pdm maintenance programs. This meter is simple to operate with only two switches on either side of the meter. The unit is suitable for measuring vibration levels in roller bearings and moving machinery. Unit features a digital LCD display and also features an industrial type headphone that can be used for listening to the sound of roller bearings. This is a cost effective method of enhancing machine reliability in your plant. The unit features an ISO 2372 chart built into the front panel, enabling you to do direct comparison of your measured vibration results with that of industry standards, thus eliminating guesswork and simplifying routine maintenance tasks.



Features

- Measures vibration in:
 - Acceleration – suitable for 10,000 + rpm and high speed machinery applications.
 - Velocity – per ISO 2372. Suitable for general purpose vibration measurements and is ideal for monitoring machinery, and for performing trending. (pdm maintenance)
 - Displacement. – perfect for low speed heavy machinery.
- Electronic Stethoscope – used with Included headphones for listening to the sound of the roller bearings and to determine lubrication requirements.
- Measures vibration in both RMS and in PEAK values.
- Auto power off for conserving battery life.
- Data Hold for recording current reading on display.

Specifications :

- Amplitude Ranges:

Units	Ranges
Acceleration	0 ~ 19.99 G's (peak & RMS.)
Velocity	0 ~199.9 mm/s (peak & RMS.)
Displacement	0 ~199.9 μm. (pk-pk)



- Accuracy All Ranges: $\pm 1\% + 3 \text{ LSD}$.
- Frequency Ranges: 5 ~ 10,000 Hz.
- Display Indications: LCD 3.5 digit. With LED
- Low Battery indication warning.
- Vibration Sensor: Piezoelectric Accelerometer 100 mV/G.
- Output: Audio: (3.5mm) mini plug for headphones.
- Sensor Power: 28 V.DC. @ 2mA.



Power Supply:

- 7.2V. DC supplied by 2 cell Lithium Ion rechargeable batteries with Automatic protection circuit.
- Battery Usage time:
18 Hours continuous before needs recharging.
(Typical charge once per 14 or 28 days per usage)
- Battery Lifetime: 500 charge cycles
(Approximately 1.5 years to 2 years of normal use)
- Environmental:
 - Meter: -10 to 50^o., Accelerometer -10 to 70^oC
- Physical:
 - Dimensions: 152 x 83 x 32 mm.
 - Weight: 1.2 kg.
- Standard Accessories All Included:
 - Instruction manuals in English language.
 - Soft carrying case., and Stainless Steel Stinger probe.
 - Piezoelectric Accelerometer Model AC-102-1A.
 - Automatic Recharger with red and green charging LED.
 - Industrial type Noise Reducing Headphones
 - Rare Earth Al-Ni-co magnet for accelerometer.



Audio Output for Headphones



BNC Input for Accelerometer



Battery Charging Jack.

- Warranty Information: The vibration meter is unconditionally warranted for Normal use for period of 5 years from date of purchase. Warranty for accelerometer, headphones and accessories is 1 year.

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